

ANNEX 2

1.1 DENMARK

1.1.1 NATIONAL SAR AGENCY: Ministry of Defence, Slotsholmsgade 10,
DK-1216 Copenhagen K

Tel: 011-11 61 60,
Telex: 27190 FMN DK

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS-SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
MRCC Aarhus Agency: Flag Officer Denmark (FOD) Søveværnets Operative Kommando (SOK) Address: P.O. Box 483 DK 8100 Aarhus C	Tel: (06) 123099 Tlx: 64485 Answer back: RCC ARH DK Fax: 6-123011 ext.5155	Blaavand Radio-OXB Skagen Radio - OXP <u>HF DSC</u> Lyngby Radio (planned)	Eik, Norway	Bodø, Norway (see paragraph 1.4.1)	ARCC, Karup	"Declared units" VLR HEL-H 3 RV (14) see paragraph 1.1.2	"Additional units", e.g. - warships - oil rigs - supply ships - helicopters - merchant ships - 13 RB (10)	Liaison responsibilities with: - Gothenburg MRCC - Yarmouth MRCC - Bremen MRCC - Valkenburg RCC - Stavanger MRCC Maritime SAR area: North Sea and Skagerrak. The Continental Shelf boundaries (subject to official Danish approval)

DENMARK (continued)

1.1.2 Typical details of "declared" SAR units

Declared Aircraft

Class	Type	Bases	Readiness	Radius of Action	Transit speed	Search speed	Endurance	Survivor capacity	SAR Equipment	Radio Communications
HEL-H	H-3	AALBORG SKRYDSTRUP VAERLOESE	15 mins. day 60 mins. night	270 nm	110 kts	75 kts	5 hours (transit and search)	20	Droppable rescue platform. Rescue slings. 1Basket/Litter Meeical equipment. See note 1.	VHF/AM VHF/FM UHF HF/MF (SSB+AM) DF
VLR	C-130H	VAERLOESE	6 hours (when A/C available)	960 nm	290 kts	200 kts	8 hrs. 30 m	62 litters or 75 pax	2 droppable life-rafts (5 persons) Droppable survival equipment.	VHF/AM UHF HF/MF (SSB+AM) DF
MRG	G-3	VAERLOESE	6 hours (when A/C available)	600 nm	290 kts	200 kts	6 hours	15 litters or 12-18 pax	Droppable survival equipment.	VHF/AM VHF/FM UHF HF/MF (SSB+AM) DF

Note 1: When requested 5 complete bilge pumps and flares for illumination. Medical officer carried.

Declared Ships

Declared Ships	Bases	Size	Readiness	Crew	Max. speed	Endurance	Radio communications
RV(14) "NORDSOEEN"	Esbjerg	53.2x10 m	20 min.	12	14 kts	14 days	VHF/MF/FM - DF - UHF/DF
RV(12) "VESTKYSTEN"	Thyborceen	49.9x10.0x4.2 m	20 min.	12	15 kts	14 days	VHF/MF/FM - DF - UHF/DF
RV(14) "NORDJYLLAND"	Skagen	53.2x10 m	20 min.	12	14 kts	14 days	VHF/MF/FM - DF - UHF/DF

Note 2: All RVs are equipped with towing and medical capacity.

1.2 GERMANY

1.2.1 NATIONAL SAR AGENCY: German Sea Rescue Service (DGZRS)
 Werderstr. 2
 D-28199 Bremen

Tel: (0) 421-53-7070
 Telex: 246 466 MRCCD, 244 754 MRCCD
 Telefax: (0) 421-53 70755

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS-SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
RCC Bremen C/o German Sea Rescue Service (DGZRS) Werderstr.2, D-28199 Bremen	Tel: (0) 421-536870 Facsimile: (0) 421-5368714 Telex: 244754 MRCCD, 246466 MRCCD Cellphone Distress Call 124124 AFTN: attn. MRCC Bremen	Norddeich Radio (VHF-DSC/MF-DSC) Elbe-Weser Radio VHF-DSC both including remote-controlled VHF-stations (A1, A2 are intended to be established)	Raisting, Germany INMARSAT A,B,C,E	FMCC Toulouse France SPOC is Rcc Goch	RCC Glücksburg C/o German Fleet Command P.O. Box 1163 D-24960 Glücksburg Tel: (0)4631-666424 Fax:(0)4631 666554 Telex: 22762 bwd Attn: SAR AFTN. EDCAYCYX Rcc Goch Pfalzdorfer Str. 79/VI, D-47574 Goch Tel: (0)2823-3333 Tlx: 811855 bwd Attn:SAR Goch Fax: (0)2823-3335 Aftn: EDNXYCYX	Declared units RV RB LRG HEL-H HEL-M	"Non-declared" facilities e.g., naval ships, merchant ships, ships and boats of Waterway and Shipping Administration, Police, etc.	Liaison responsibility with: MRCC Aarhus MRCC Yarmouth RCC Ijmuiden MRCC Bremen is SPOC for German MMSI and NAVTEX co-ordinator for SAR messages via Schevlvin gen Radio, Netherlands

GERMANY (continued)

1.2.2 Typical details of "declared" SAR units

Declared vessels with daughterboat

Class	Size	Readiness	Crew	Radius of Action	Survivor Capacity (below deck)	Radio-communications	D/F
RV (26)	44.2 x 8.1 m	Immediately	2 x 6	1240 nm/26 kts 4800 nm/12 kts	313	VHF-DSC, MF-DSC HF, VHF, (FM/AM) UHF ² , HF (SSB)	MF, HF, VHF ¹ , UHF
RV (24)	27.5 x 6.5 m	Immediately	2 x 4	770 nm/24 kts 2777 nm/12 kts	145	VHF-DSC, MF-DSC HF, VHF, (FM/AM) UHF ² , HF (SSB)	MF, HF, VHF ¹ , UHF
RV (20)	23.3 x 5.6 m	Immediately	2 x 4	800 nm/20 kts 2690 nm/12 kts	90	VHF-DSC, MF-DSC HF, VHF, (FM/AM) UHF ² , HF (SSB)	MF, HF, VHF ¹ , UHF
RV (16)	18.9 x 4.3 m	Immediately	2 x 4	550 nm/16 kts	20	HF, VHF, (FM/AM) UHF ² , HF (SSB)	MF, HF, VHF ¹ ,

¹ VHF D/F incl. 121.5 MHz

SAR-Equipment: 9 GHZ radar for SART location

All rescue vessels are equipped with: medical equipment (incl. ECG) fire-fighting appliances bilge pumps

² 243.0/243.5/252.8 and 282. 8 MHz

Declared boats

RB (15)	12.2 x 3.0 m	30 mins	3	10 hrs	15	VHF (FM)	
RB (13)	9.0 x 2.7 m	30 mins	2	13 hrs	8	VHF (FM)	
RB (18)	8.0 x 3.1 m	30 mins	2	10 hrs	10	VHF (FM)	
RB (10)	7.0 x 2.3 m	30 mins	2	15 hrs	6	VHF (FM)	

GERMANY (continued)

1.2.3 Typical details of "declared" SAR units

Declared aircraft

Class	Type	Bases	Readiness	Radius of Action	Transit speed	Search speed	Endurance	Survivor capacity	SAR Equipment	Radio Communications
LRG	Atlantic	Nordholz	3 hrs day/night	1000 nm	280 kts	180 kts	11 hrs	-	9 GHZ radar Flares	HF, (SSB) VHF (AM) UHF, UHF D/F
HEL-H	Sea King	Westerland/ Sylt (1) Heligoland (1) Borkum (1)	15 mins (day) 60 mins (night)	270 nm	115 kts	70 kts and less	4 hrs	19	Winch/240 ft Medical eqpt. Flares 9 GHZ radar	HF, (SSB) VHF (AM/FM) UHF, UHF D/F HF D/F (2182 kHz)

(1) Two Sea King helicopters available for the North Sea Area; bases alternating.

1.3 NETHERLANDS

1.3.1 NATIONAL SAR AGENCY: SAR Commission, Address: P.O. Box 5817, Tel: 70-395 5555
 Directorate of Shipping 2280 NV Rijswijk, Fax: 70-399 6274
 and Maritime Affairs (DGSM) the Netherlands Telex: 31040 DGSM NL

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS-SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
RCC IJmuiden (COSPAS-SARSAT)	Tel: 31-44-2550-34344 (24 hours) Telex: 71088 KUSTW NL Fax: 2550-23496	Scheveningen Radio <u>MF and VHF</u> <u>DSC MF</u> <u>NBDP</u> Netherlands Coastguard (For details see GMDSS Master Plan)	Burum AORE/IOR INMARSAT A en C (For details see GMDSS Master Plan)	FMCC Toulouse France (For details see GMDSS Master Plan)	IJmuiden	- Royal Netherlands Navy Maritime Patrol aircraft (long range) - Royal Netherlands Navy helicopters - 50 Lifeboats of Royal Netherlands Lifeboat Institution	"Non-declared" facilities, e.g. warships, military/civil aircraft, merchant ships, yachts, etc.	Liaison responsibility with: RCC Glücksburg MRCC Yarmouth RCC Edinburgh RCC Brussels RCC Karup RCC Aarhus RCC Plymouth MRCC Bremen

NETHERLANDS (continued)

1.3.2 Typical details of "declared" SAR units

Declared Aircraft

Class	Type	Bases	Readiness	Radius of Action	Transit speed	Search speed	Endurance	Survivor capacity	SAR Equipment	Radio Communications
LRG		SCHIPHOL	60 mins (d+n)	600 nm	150 kts	150 kts	5 hrs	-	-	-VHF-HF
VLR	ORION	VALKENBURG	60 mins (d) 180 mins (n)	900 nm	300 kts	190 kts	10 hrs	-	-	VHF-UHF/ DF-VHF (AM FM)-HF
HLL-L	LYNX	DE KOOY	20 mins (d) 45 mins (n)	120 nm	120 kts	-	2.5 hrs	5	Winch Medical equipment Poss.3 stretchers	VHF-UHF/ DF-VHF (AM FM)-HF
HLL-L	ALOUETTEE	LEEUWARDEN	5 mins (during Flyops) 45 mins (n)	90 nm	90 kts	-	2.5 hrs	3	Winch	-UHF/DF-VHF (AM)

NETHERLANDS (continued)

Declared ships

Lifeboat	Base	Operational	Crew	Radius in hrs. Full Speed	Capacity	Size	Radio
RV (31.5)	Breskens	10 min	4	7 hrs	75	14.8 x 5.4m	MF VHF
RV (27.5)	Burghsluis	10 min	4	7 hrs	60	13.7 x 4.8m	MF VHF
RV (11.0)	Stellendam	10 min	4	140 hrs	120	21.0 x 4.6m	MF VHF
RV (11.0)	Hook of Holland	10 min	4	140 hrs	120	21.0 x 4.6m	MF VHF
RV (10.5)	Scheveningen	10 min	4	140 hrs	120	20.4 x 4.1m	MF VHF
RV (31.0)	Noordwijk a/zee	15 min	4	7 hrs	50	10.6 x 4.1m	VHF
RV (10.5)	IJmuiden	10 min	4	140 hrs	120	20.4 x 4.1m	MF VHF
RV (34.0)	IJmuiden*	10 min	4	7 hrs	75	14.4 x 5.4m	MF VHF*
RV (31.0)	Egmond a/zee	15 min	4	7 hrs	50	10.6 x 4.1m	VHF
RV (10.5)	den Helder	10 min	4	140 hrs	120	20.4 x 4.1m	MF VHF
RV (31.0)	Texel	15 min	4	7 hrs	50	10.6 x 4.1m	VHF
RV (10.5)	Terschelling	10 min	4	140 hrs	120	20.4 x 4.1m	MF VHF
RV (34.0)	Terschelling	10 min	4	7 hrs	75	14.4 x 5.4m	MF VHF
RV (30.5)	Ameland	10 min	4	7 hrs	75	14.4 x 5.4m	MF VHF
RV (10.5)	Lauwersoog	10 min	4	140 hrs	120	20.4 x 4.1m	MF VHF

* Adam, NdJ, 28/10/92.

NETHERLANDS (continued)

1.3.3 Level of cover

Helicopters

The Lynx helicopter, formally declared by the Ministry of Defence for SAR duties, is stationed at NAS de Kooij. The NLAf SAR helicopter, the Alouette, is stationed at Terschelling during military flying operations over the Waddenzee and at other times at NLAf-base Leeuwarden. The Lynx helicopter is at 15 minutes readiness by day from Monday to Friday and at one hour by night and at the weekends. A doctor is included in the Lynx crew.

Netherlands naval fixed-wing aircraft

A maritime patrol aircraft is on continuous standby for SAR at NAS Valkenburg. The aircraft is at 60 minutes or less readiness by day from Monday to Friday and 180 minutes by night and at the weekends. The endurance of the aircraft is enough for a search period of approximately 8 hours in the Netherlands aeronautical and maritime SAR region.

Lifeboats

Royal Netherlands Navy surface ships

The ready duty ship of the RNL NAVY is normally available at all times to deal with emergencies.

1.4 NORWAY

1.4.1 NATIONAL SAR AGENCY: Ministry of Justice and Police,
SAR Division,
Oslo, Norway

Telephone: + 47 2 345320
Facsimile: + 47 2 349530
Telex: 21403 JDEP N

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS-SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
MRCC Southern Norway, Stavanger Integrated rescue service covering: sea, land and air rescue	See paragraph 1.4.2	Tjoeme Radio Farsund Radio Rogaland Radio Bergen Radio Floroe Radio Oerlandet Radio <u>VHF DSC</u> Entire coastline 1992/93 <u>MF DSC</u> 1992/93	Eik	NMCC, Bodoe Norway	RCC Southern Norway, Stavanger	HEL-M VLR RV (see paragraph 1.4.3)	Coast Guard cutters rescue vessels, naval ships, pilot vessels, light-house tenders, supply ships, pilot vessels, HEL-L/M civil, operating mostly offshore, some with hoist limited SAR capability.	Liaison with: RCC Bodoe MRCC Aberdeen RCC Edinburgh MRCC Gothenburg ARCC Stockholm ARCC Glücksburg MRCC Bremen MRCC Aarhus ARCC Karup
RCC Northern Norway, Bodoe (integrated rescue service covering sea, land and air rescue)	Telephone: + 47 81-21267 81-24575 Telex: 64293 Facsimile: (Communication also available via the military network)	Oerlandet Radio Bodoe Radio Vardoe Radio Bjoernoeya Radio Isfjord Radio VHF DSC: 1992/93 MF DSC: 1993/93	Eik	NMCC Bodoe Norway (integrated with RCC Northern Norway) Telephone: + 47 81-21267 Telex: 64293 Telex: 64302 (COSPAS/SARSAT) Facsimile: + 47 81-24200 AFTN: ENBOYCYX		HEL-H VLR RV RB (see annex 1, paragraph 1.7.2)	Coast Guard cutters, naval ships, pilot vessels HEL-L/M (Civiloan)	Liaison with: RCC Southern Norway, Stavanger RCC Murmansk RCC Reykjavik (Area of responsibility, see map)

NORWAY (continued)

1.4.2 Landline communications

Communications

Messages will normally be exchanged by telephone but important messages should be confirmed by telex.

(a) MRCC Southern Norway: Stavanger

Telephone

(1) Primary routes direct to MRCC Operations:

+ 47 51 51 70 00 (emergency only)

+ 47 4 51 70 90 (unlisted)

+ 47 4 64 60 10 (press information)

+ 47 4 64 60 61 or 64 60 62 (LCC controller)

(2) Secondary routes via other offices with patching facilities:

+ 47 4 57 50 00 ext.2750 (MHQ Stavanger)

+ 47 4 65 15 55 ext.8650 (Sola Air Force Base)

+ 04 01 10 and tieline (Stavanger Telephone Exchange)

Telex (from UK)

0025 33163 Primary to MRCC Ops. Room A/B

(3) Facsimile: + 47 4 65 23 34

(b) Ministry of Justice and Police, Oslo

Telephone: + 47 2 34 53 20

Telex: 21403 SDEP N

Facsimile: + 47 2 34 95 30

NORWAY (continued)

1.4.3 Typical details of "declared" SAR units

Declared Aircraft

Class	Type	Bases	Readiness	Radius of Action	Transit speed	Search speed	Endurance	Survivor capacity	SAR Equipment	Radio Communications
HEL-H	Sea King	Sola Oerland	1 hour 15 min. during working hours	270 nm	110 k	75 k	5.5 h	18 (stretcher capacity 6)	2 Drop dinghies (10 men each + suppl) Hoist with stretcher capability. 4 Homelite Water-pumps.	UHF VHF VHF-FM HF HF-SSB ADF/DF UHF/DF UHF/DF HF/DF
HEL-M	UH-1B	Rygge	1 hour 15 min. during working hours	110 nm	90 k	60 k	3.3 h	6 (stretcher capacity 3)	No droppable equipment. Hoist Oxygen First Aid Kit	UHF VHF UHF/DF

Note: 1 helicopter on readiness on each base at all times.

All the figures are illustrative and depend on operative patterns, weather, etc.

VLR	P3-P Orion	Andoaya	4 hours	1075 nm	290 k	190 k	11 hours	-	Several units of 2 x 10 men dinghies with equipment container. Flares.	UHF VHF HF-SSB ADF/DF UHF/DF
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1.5 SWEDEN

1.5.1 NATIONAL SAR AGENCY: Swedish Administration of Shipping and Navigation
S-601 78 Norrköping, Sweden

Tel: (11) 191000/103535
Telex: 64384

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS-SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
MRCC Gothenburg	Tel: + 46 31 897330 Telex: 20180 Facsimile: + 46 31 897398	Gothenburg Radio	Eik, Norway	NMCC, Bodø Norway	ARCC Stockholm	1 MRG 2 HEL-H 1 HEL-M 25 SRU	Approximately 30 inshore rescue units	The MRCC is co-located with the CRS

SWEDEN (continued)

1.5.2 Typical "declared" SAR units available on West Coast

SAR units are supplied by:

1. The National Administration of Shipping and Navigation
2. The Swedish Coast-Guard Service
3. The Swedish Navy
4. The Swedish Air Force
5. The Swedish Police
6. The Swedish Life Boat Institution

1.6 UNITED KINGDOM

1.6.1 NATIONAL SAR AGENCY: Department of Transport, Marine Directorate,
HM Coastguard HQ, Sunley House,
High Holborn, London WC1

Tel: 0171-405-6911, ext.3104, 0171-405-2213
Tlx: 8812048 MARINE G
Fax: 0171-405-0794

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS-SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
MRCC Aberdeen Agency: HM Coastguard	Tel: 1224 592334 Tlx: +73123 A/B ABDNCGG Fax: +224 575920 INMARSAT SES (1441761)	CRS: Stonehaven Klick <u>NAVTEX</u> : Cullercoats CRS <u>M/F DSC</u> : Aberdeen Coast guard <u>VHF</u> : Channel 16 Distress Watch cover 30 miles + D/F	- Goonhilly CES is associated with MRCC Falmouth Tel: +1326 317575 Tlx: +45560 Fax: +326 318342	Plymouth UK MCC RCC Plymouth, Devon, United Kingdom PL1 4JH Tel: +17525 63777 ext 2152/2151 Tlx: 45611 AFTN: EGDBZS	Edinburgh	"Declared units" VLR HEL-H HEL-M (see para- graph 1.6.2) RV RB	"Additional units" warships, military/civil aircraft, merchant ships, yachts, etc.	Liaison responsibility with Coastguard Faeroes Iceland Norway
MRCC Yarmouth Agency: HM Coastguard	Tel: 1493 51338 Tlx: 97400 A/B YMTHCGG Fax: +493 52307	<u>CRS</u> : Cullercoats <u>NAVTEX</u> : Cullercoats CRS	-	See above	Edinburgh	See above	See above	MRCC Aarhus MRCC Bremen RCC Ijmuiden

1.6 UNITED KINGDOM (continued)

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS-SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
	<u>M/F DSC</u> Tyne/Tees) by Coastguard) Dec Humber) '87 Coastguard) <u>VHF</u> Channel 16 Distress Watch Cover to 30 miles + D/F							

UNITED KINGDOM (continued)

1.6.2 Landline communications

MRCC/MRSC	OPERATIONAL TELEPHONES	TELEX	FACSIMILE	DIRECT LINES
<u>Aberdeen</u>	+1 224 592334	+ 73123	+ 224 586493	STAVANGER (TEL)
Shetland	+ 1595 2976	+ 75141	+ 595 4810	
Pentland	+ 1856 3268	+ 75211	+ 856 4202	
Forth	+ 1333 50666	+ 72440	+ 333 50725	
<u>Yarmouth</u>	+ 1493 851338	+ 97400	+ 493 852307	IJMUIDEN (TEL)
Tyne/Tees	+ 191 257 2691	+ 53389	+ 91 258 0373	
Humber	+ 1262 606910	+ 527351	+ 262 606915	

UNITED KINGDOM (continued)

1.6.3 Typical details of "declared" SAR Units

UK rescue facilities are of two types:

- 1 "Declared". These facilities include all dedicated SAR units which are located at specific bases and are kept at specific notice for use. HM Coastguard is required to be kept informed if availability is altered, or cannot be maintained.
- 2 "Additional". These facilities include any other units which may be available for a particular SAR operation. These units are not necessarily designed for SAR, but may include military or civil ships, aircraft and boats. Because of the varied nature of additional facilities no attempt is made to give their characterisation here.

Declared Aircraft

Class	Type	Bases	Readiness	Radius of Action	Transit speed	Search speed	Endurance	Survivor capacity	SAR Equipment	Radio Communications
VLR	NIMROD	KINLOSS OR ST MAWGAN	60 mins (Duty a/c) 4 hrs (standby a/c)	1000 nm + 5 hrs search	400 kts	200/250 kts		-	6 x 9 man dinghies 2 x ASR packs	HF MF VHF (AM) (FM) UH MFD/F UHFD/F
HEL-H	SEA KING	LOSSIE- MOUTH BOULMER COLTISHALL BRAWDY	15 mins (day) 45 mins (night)	500 nm	110 kts	-	6 hrs	18	Winch (240 ft) Droppable survival equipment medical equipment	HF MF VHF (AM) (FM) UHF VHF D/F UHFD/F
HEL-H	861N	STORNOWAY SUMBURGH	15 mins 45	180 nm	110 kts	-	4.25 hrs	18	Winch (300 feet) Droppable survival equipment medical equipment	HF MF VHF (AM) (FM) VHF D/F
HEL-M	WESSEX	LEUCHARS LECONFIELD MANSTON LEE-ON- SOLENT CULDROSE CHIVENOR VALLEY	10 mins (day) 60 mins (night)	100 nm	100 kts	-	2.5 hrs	10	Winch (65 feet) Droppable survival equipment medical equipment	HF MF VHF (AM) (FM) UHF VHF D/F

Note: All the above figures are illustrative and depend on the operating pattern selected, weather, etc.

UNITED KINGDOM (continued)

1.6.4 Level of Cover

1.6.4.1 Sea King, and Wessex helicopters formally declared by the Ministry of Defence for SAR duties are currently deployed at 11 service locations, giving a quick response capability over the major part of the United Kingdom coastline and adjacent waters.

RAF Lossiemouth	(Sea King)	RNAS Lee-on-Solent	(Wessex)
RAF Leuchars	(Wessex)	RNAS Culdrose	(Wessex)
RAF Boulmer	(Sea King)	RAF Chivenor	(Wessex)
RAF Leconfield	(Wessex)	RAF Brawdy	(Sea King)
RAF Coltishall	(Sea King)	RAF Valley	(Wessex)
RAF Manston	(Wessex)		

At each of these stations, helicopters are held in pairs so that one is always at 15 minutes readiness during daylight hours and at longer notice by night. A second aircraft, if available, is kept on standby at one hour's readiness during daylight only. Additionally, RN Sea King helicopters operate from RNAS Culdrose and HMS GANNET (Prestwick) at 1 1/2 hours notice. The RN Wessex helicopters at Culdrose and Lee-on-Solent may include a diver in their crews.

1.6.4.2 In addition, long-range Sikorski S61N helicopters are available from Sumburgh Airport (Shetlands), and Stornoway Airport (Hebrides), for SAR duties and medical evacuations from vessels or offshore installations. They are at present operated by Bristows Helicopters under contract to the Department of Transport and are at a similar readiness to declared military aircraft.

1.6.4.3 RAF fixed wing aircraft. A Nimrod aircraft is on continuous standby for SAR duties around the United Kingdom and in the Eastern Atlantic. Aircraft are provided on a rota basis from RAF St. Mawgan and RAF Kinloss, and are held at one hour's readiness. The Nimrod is capable of flying at high speeds to a distance of 1000 nms followed by a five-hour search period.

1.6.4.4 Royal Navy surface vessels. A warship is available at all times in the United Kingdom Sea Areas to deal with emergencies.

1.6.4.5 The Royal National Lifeboat Institution (RNLI) maintains a fleet of offshore lifeboats round the UK's coasts, except in certain remote locations where no operational requirements exist. These can reach a casualty up to 30 miles offshore within four hours of launching. The institution also operates a fleet of small high-speed inshore lifeboats.

Further details of the UK SAR organization are given in the Department of Trade's publication "United Kingdom Search and Rescue Handbook 1985".

UNITED KINGDOM (continued)

2 CO-ORDINATES OF BOUNDARIES OF PROVISIONAL MARITIME SAR REGIONS

2.1 North Sea Area Boundaries

North and West. The SAR boundary to be the northern limit of the STAVANGER ICAO area from 5° 00' E to the Greenwich Meridian, thence south to 62° 00' N and west to 4° 00' W. Thence south to the coast of Scotland.

South. The SAR boundary to be the boundary between DOVER and YARMOUTH SRRs (coast of England at Southwold - 52° 18.6' N - to the median line at 51° 48.3' N, 2° 28.9' E); thence to the continental coast at the Belgian/Netherlands frontier.

2.2 Inter-Region Boundaries

<u>Netherlands-UK</u>	<u>Denmark-Norway</u>	<u>Federal Republic of Germany-UK</u>
1. 51° 48' 18" N 2° 28' 54" E	1. 58° 15.8' N 10° 02.0' E	1. 55° 45' 54.0" N 03° 22' 13.0" E
2. 51° 59' 00" N 2° 37' 36" E	2. 57° 59.3' N 9° 23.0' E	2. 55° 50' 06.0" N 03° 24' 00.0" E
3. 52° 01' 00" N 2° 39' 30" E	3. 57° 41.8' N 8° 53.3' E	3. 55° 55' 09.4" N 03° 21' 00.0" E
4. 52° 05' 18" N 2° 42' 12" E	4. 57° 37.1' N 8° 27.5' E	
5. 52° 06' 00" N 2° 42' 54" E	5. 57° 29.9' N 7° 59.0' E	<u>Norway-UK</u> 1. 56° 05' 12" N 03° 15' 00" E
6. 52° 12' 24" N 2° 50' 24" E	6. 57° 10.5' N 6° 56.2' E	2. 56° 35' 42" N 2° 36' 48" E
7. 52° 17' 24" N 2° 56' 00" E	7. 56° 35.5' N 5° 02.0' E	3. 57° 54' 18" N 1° 57' 54" E
8. 52° 25' 00" N 3° 03' 30" E	8. 56° 05.2' N 3° 15.0' E	4. 58° 25' 48" N 1° 29' 00" E
9. 52° 37' 18" N 3° 11' 00" E	<u>Denmark-Federal Republic of Germany</u>	5. 59° 17' 24" N 1° 42' 42" E
10. 52° 47' 00" N 3° 18' 18" E	S 55° 04' 00.0" N 8° 18' 00.0" E	6. 59° 53' 48" N 2° 04' 36" E
11. 52° 53' 00" N 3° 10' 30" E	S ₁ 55° 10' 03.4" N 07° 33' 09.6" E	7. 61° 21' 24" N 1° 47' 24" E
12. 53° 18' 06" N 3° 03' 24" E	S ₂ 55° 30' 40.3" N 05° 45' 00.0" E	8. 61° 44' 12" N 1° 33' 36" E
13. 53° 28' 12" N 3° 01' 00" E	S ₃ 55° 15' 00.0" N 05° 24' 12.0" E	9. 61° 44' 12" N 01° 33' 14" E
14. 53° 35' 06" N 2° 59' 18" E	S ₄ 55° 15' 00.0" N 05° 09' 00.0" E	10. 62° 00' 00" N 01° 22' 23" E
15. 53° 40' 06" N 2° 57' 24" E	S ₅ 55° 24' 15.0" N 04° 45' 00.0" E	<u>Federal Republic of Germany-Netherlands</u>
16. 53° 57' 48" N 2° 52' 00" E	S ₆ 55° 46' 21.8" N 04° 15' 00.0" E	C" 53° 36' 21" N 06° 24' 48" E
17. 54° 22' 48" N 2° 45' 48" E	S ₇ 55° 55' 09.4" N 03° 21' 00.0" E	E ₁ 53° 45' 06" N 06° 19' 56" E
18. 54° 37' 18" N 2° 53' 54" E		E ₂ 53° 48' 56" N 06° 15' 49" E
19. 55° 45' 54" N 03° 22' 13" E		E ₃ 54° 00' 00" N 06° 06' 26" E

UNITED KINGDOM (continued)

Federal Republic of Germany-Netherlands (contd.)

E₄ 54° 11' 12" N
 06° 00' 00" E

E₅ 54° 37' 12" N
 05° 00' 00" E

E₆ 55° 00' 00" N
 05° 00' 00" E

E₇ 55° 20' 00" N
 04° 20' 00" E

E₈ 55° 45' 54" N
 03° 22' 13" E

Denmark-UK

1. 56° 05' 12.0" N
 03° 15' 00.0" E

2. 55° 55' 09.4" N
 03° 21' 00.0" E

Sweden-Norway

Swedish-Norwegian national border southward to

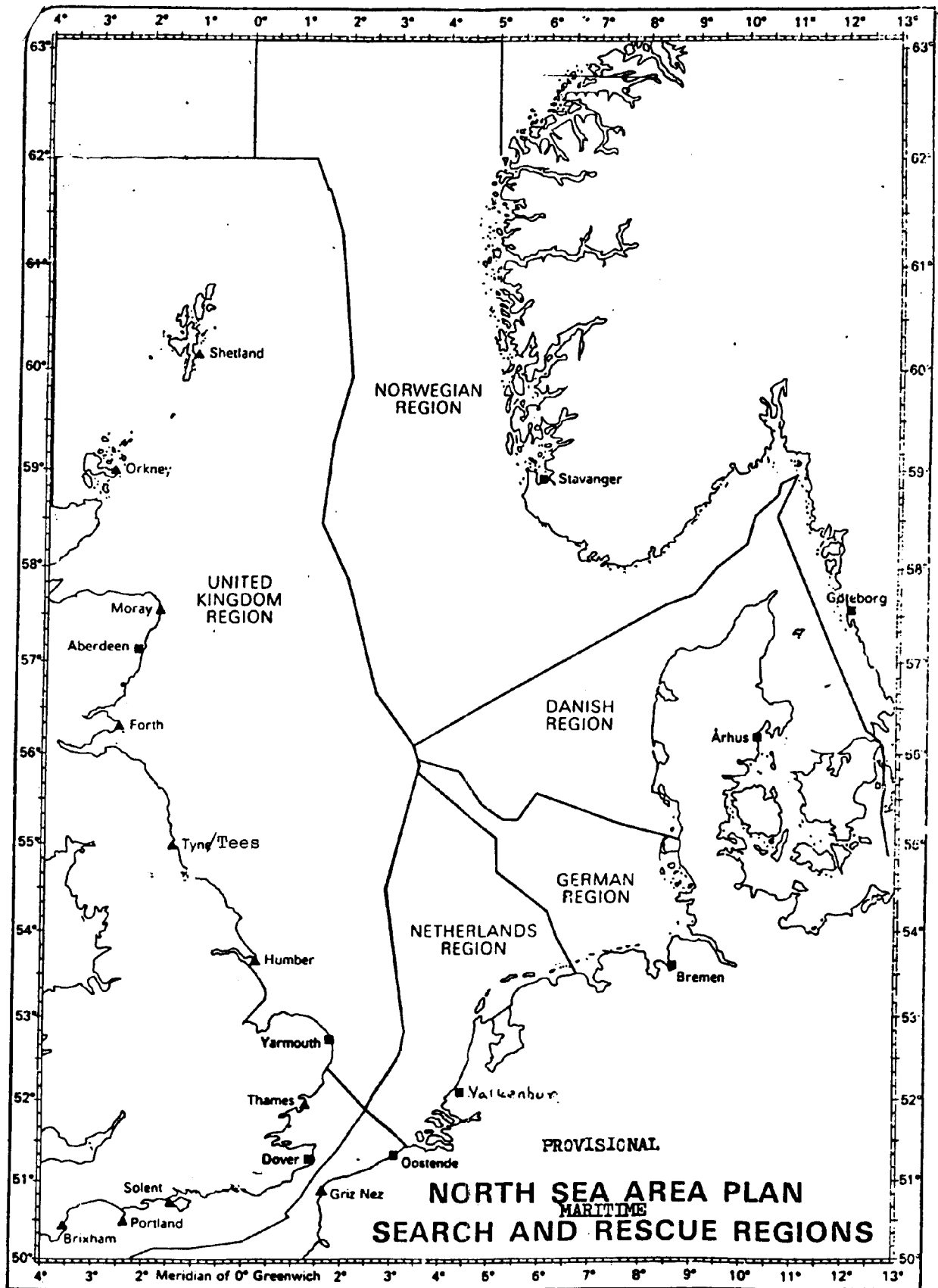
58° 55' 10" N - 10° 48' 00" E
58° 30' 00" N - 10° 30' 00" E

Sweden-Denmark

58° 30' 00" N - 10° 30' 00" E
56° 12' 55" N - 12° 22' 10" E

Swedish-Danish national border in Oresund

55° 20' 12" N - 12° 38' 42" E
54° 55' 10" N - 12° 51' 00" E



UNITED KINGDOM (continued)

SEARCH AND RESCUE

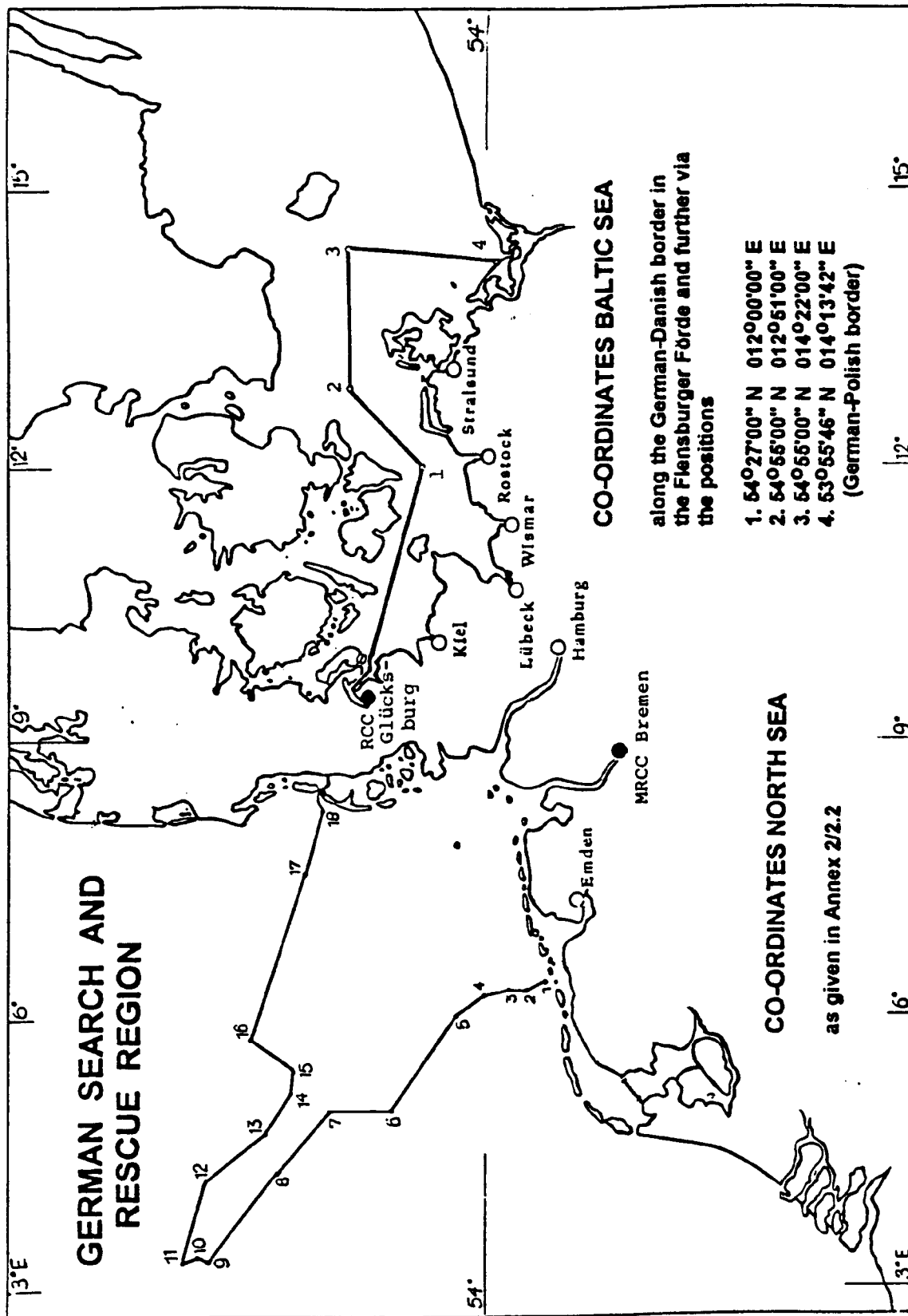
Designated national point of contact authorized to deal with
COSPAS-SARSAT distress messages (maritime and aeronautical)

Information by the Government of Germany

In response to the invitation expressed by the Maritime Safety Committee of the International Maritime Organization (MSC 54/23, paragraph 6.3.2, and MSC/Circ.470, paragraphs 2.1 and 2.2) the Government of Germany wishes to make known that the following institution has been designated the national point of contact authorized to accept and distribute COSPAS-SARSAT distress messages regarding both maritime and aeronautical incidents:

SAR-Leitstelle (RCC) Goch
(Search and Rescue Co-ordination Centre Goch)
Pfalzdorfer Strasse 79/VI
47574 Goch
Telephone: (0)+2823-3333
Telex: 811 855 bwd. attn: SAR Goch
Fax: (0)+2823-3335
Aeronautical Fixed Telecommunication Network (AFTN): EDNXCYX

Arrangements have been made to ensure that SAR Co-ordination Centre Goch will forward without delay any distress information received to one of the other SAR Co-ordination Centres, if appropriate.



DER BUNDESMINISTER FÜR VERKEHR

Der Bundesminister für Verkehr, Postfach 20 01 00, 5300 Bonn 2

International Maritime
Organization
4 Albert Embankment

LONDON SE1 7SR

GROSSBRITANNIEN

(0228) Datum
300- 4697 30 June 1992
Robert-Schuman-Platz 1
5300 Bonn-Bad Godesberg
Geschäftszeichen (bitte bei Antwort angeben):

See 19/49.01.25-01/26 Va 92 II

Dear Sirs,

I have the honour to notify, also on behalf of the Ministry of Industry of the Kingdom of Denmark, that the two Ministries, being the responsible bodies for Search and Rescue matters under the provisions of paragraph 2.1.4 of the Annex to the International Convention on Maritime Search and Rescue, 1979, have agreed on search and rescue regions as delineated in the provisional search and rescue plans for the North Sea and the Baltic Sea (SAR.2/Circ.2/Rev.2 of November 1990).

Please accept the expression of my highest consideration.

For the Federal Minister of Transport

Steinicke
Dr. Steinicke

COR/008012

Received	8 JUL 1992
Routing	
<i>REM.</i>	<input type="checkbox"/> no action
<i>46 8/14</i>	<input type="checkbox"/>
<i>BLT</i>	<input type="checkbox"/> action
<i>EOA</i>	<input checked="" type="checkbox"/> action or answered
	<input type="checkbox"/> for filing
<i>Rh</i>	14-7-92

(H) Öffentliche Verkehrsmittel
Busse 610, 614, 618
Bahn: 06
Haltestelle: Robert-Schuman-Platz

(P) Besucherparkplätze und
Anlieferungen nur über
Herrich-von-Stephens-Straße

Fernruf: (0228) 300-0
Telefax: 885 700 bmv
Telefax: 2627-2283645 BMVD
Telefax: 2627-2283677 BMVD
Telefax: (0228) 300-34 28
(0228) 300-34 29

Überweisungen an Bundeskasse Bonn
Kto.-Nr. 3800 1080 Landeszentralbank Bonn
(BLZ 380 000 00)
Kto.-Nr. 11900-505 PGIA Köln
(BLZ 370 100 50)

ANNEX 3

1.1 DENMARK

1.1.1 NATIONAL SAR AGENCY: Ministry of Defence, Slotsholmsgade 10,
DK-1216 Copenhagen K

Tel: 86-123099
Telex: 64485
Telefax: 86-181140

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS-SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
<u>MRCC AARHUS</u> <u>Agency:</u> Flag Officer Denmark (FOD) Soevaernets Operative Kommando (SOK) Address: P.O. Box 483 DK 8100 Aarhus C	Tel: (06)-123099 Tlx: 64492 SOK DK	Skagen/OXP Lyngby/OXZ Roenne/OYE	Eik, Norway	NMCC, Bodoe, Norway	ARCC, Karup	VLR 3 HEL-H 2 RV (14) (For details see paragraph 1.1.2)	HEL-L 10 RB (10) (For details see paragraph 1.1.2)	Liaison responsibilities with: - RCC Gothenburg - RCC Stockholm - MRCC Bremen - MRCC Rostock - MRCC Gdynia Maritime SAR area: Danish Flight Information Region (Copenhagen FIR)

1.1.2 Details of SAR units

AIRCRAFT

Class	Type	Bases	Readiness	Radius of Action	Transit speed	Search speed	Endurance	Survivor capacity	SAR Equipment	Radio Communications
HEL-H	S 61 A	Vaerloese Aalborg Skrydstrup	10-15 mins (Day/night standby helos)	280 m	110 kts	75 kts	6.5 hours at search speed	20 max	Note 1	MF/HF VHF (FM) UHF UHF/DF LF/ADF
VLR	C-130 H	Vaerloese (1-3) Vaerloese	1-3 hours (day/night) 1-4 hours	960 m	290 kts	250 kts	7.5-9.5 hours	-	2x5 man dinghies Flares Droppable survival equipment	UHF VHF HF (SSB+AM+CW)
HEL-L	LYNX	Vaerloese (1-2)	1 hour (day/night)	150 m	120 kts	75 kts	2.5 hours	5	Winch	UHF-UHF/DF- VHF/HF/MF

SHIPS

Class	Bases	Size	Readiness	Crew	Max. speed	Endurance	Radiocommunications
RV (12) Jens Vaever	Roenne	29x6 m	20 min.	12	12 kts	7 days	VHF/MF/FM DF UHF/DF
RV (14) Nordjylland	Skagen	53.2x10 m	20 min.	12	14 kts	14 days	VHF/MF/FM DF
RB (10) RF-XX (Number)	10 Danish ports	12x3.5 m	20 min.	4-6	10 kts	24 hours	UHF/DF VHF/MF

Note 1: 1 drop dinghy (5 persons) 3 rescue slings, 1 bucket, medical equipment, droppable survival equipment and medical equipment.
Medical officer normally carried. When requested 5 complete bilge pumps and flare for illumination.

Note 2: All RVs are equipped with towing and medical capability.

1.2 ESTONIA

1.2.1 NATIONAL SAR AGENCY: Estonian National Maritime Board
13, Tartu Road,
Tallin EE0001 Estonia

Tel: 372 243 0202
Telex: 537 173 027 EVA EE
Telefax: 372 6312 303

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESSs	Associated or nearest COSPAS-SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
<u>MRCC</u> Tallin	Tel: Alarm: +372 639 7777 Emergency: +372 639 7776 Fax: +372 639 7703 Telex: 173 833 EVAEE	Via Tallin Radio (ESA) 500 KHz and 2182 KHz MRCC Tallin VHF Channel 16	Eik Norway	Moscow Moscow CMC	ARCC Tallin	4 Coast Guard Vessels Coast Boat	Icebreakers, diving boats Pilot boats Merchant and fishing vessels naval ships frontier guard ships and boats, planes and helicopters	SAR area has yet to be delineated. Estonia considers herself responsible for the SAR area including Estonia's Exclusive Economic Zone, Territorial Sea and Internal Waters

1.3 FINLAND (new organization from 1-1-1996)

1.3.1 NATIONAL SAR AGENCY: Finnish Frontier Guard Hq.,
P.O. Box 3, FIN-00131, Helsinki, Finland

Tel: +358-0-47676511
Telefax: +358-0-47676526

X.400: c=fi; a=mailnet, p=rvl; o=rvle;
s=uitti; g=erkki

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESSs	Associated or nearest COSPAS- SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
RSC Helsinki	Tel: +358-0-174882 <u>Alarm:</u> -0-667766 -0-639400 Fax: +358-0-631670 Tlx: +57-124777 simjk fin DSC: 002301234 (A2) X.400: c=fi; a=mailnet; p=rvl; s=helsinki; g=mrsc	Helsinki Radio	Eik, Norway via MRCC Turku	Bodoe, Norway via MRCC Turku	ARCC Tampere	3 HEL-M 2 HEL-L 9 RV 30 RB	Fire fighting boats, pilot boats, icebreakers and rescue tugs belonging to private company are available all along the coast	
RCC Turku	Tel: +358-21-2815805 <u>Alarm:</u> -21-2333777 Fax: +358-21-2500950 Tlx: +57-62249 smmv fin DSC: 002301234 (A2) X.400: c=fi; a=mailnet; p=rvl; s=turku; g=mrcc	Helsinki Radio, Turku Radio, (Mariehamn Radio in daytime)	Eik, Norway	Bodoe, Norway	ARCC Tampere	3 HEL-M 2 HEL-L 3 MRG 7 RV 28 RB	As stated above	MRCC Turku is SPOC (from 1.1.96)
RSC Vaasa	Tel: +358-61-3178609 <u>Alarm:</u> -61-3174859 Fax: +358-61-3120295 Tlx: +57-74225 plmve fin DSC: 002301234 (A2) X.400: c=fi; a=mailnet; p=rvl; s=vaasa; g=mrsc	Helsinki Radio	Eik, Norway via MRCC Turku	Bodoe, Norway via MRCC Turku	ARCC Tampere and ARCC Rovaniemi	3 HEL-M 2 HEL-L 7 RV 24 RB	As stated above	

1.4 GERMANY

1.4.1 NATIONAL SAR AGENCY: Deutsche Gesellschaft zur Rettung Schiffbrüchiger
(German Lifeboat Institution)
Werderstr. 2
D-2800 Bremen 1

Tel: (0) 421-53 70 70
Telex: 244 754 246466 MRCCD
Telefax: (0) 421-53 70 714

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS-SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
RCC Bremen C/o German Lifeboat Institution, Werderstr. 2, 2800 Bremen 1	Tel:(0)421- 536-870 Facsimile: (0)421- 5368714 Telex: 244754 rccbr d 246466 rccbr d AFTN: EDDWYYXX, attn. RCC Bremen	Kiel Radio Rügen Radio Rostock Radio all including remote- controlled VHF (A1, A2 are intended to be established)	Raisting, Germany Eik, Norway	FMCC Toulouse France	RCC Glücksburg C/O German Fleet Command P.O. Box 65 2392 Glücksburg Tel:(0)4631- 8625 Tlx: 22762 bw d AFTN: EDCAYCYX	Declared units RV RB LRG HEL-H	"Non-declared" facilities e.g. naval ships, merchant ships, ships and boats of Waterway and Shipping Administration, Police, etc.	Liaison responsibility with: MRCC Aarhus MRCC Stockholm RCC Gdynia MRCC Bremen: 5 SPOC for Germany MMSI and NAVTEX Co-ordinator for SAR messages via Stockholm Radio, Sweden

GERMANY (continued)

1.4.2 Typical details of "declared" SAR units

Declared vessels with daughterboat

Class	Size	Readiness	Crew	Radius of Action	Survivor Capacity (below deck)	Radio-communications	D/F
RV (20)	44.2 x 8.1 m	Immediately	2 x 6	4800 nm/12 kts	313	HF (SSB), VHF (AM/FM), UHF ²	MF, HF, VHF ¹ , UHF
RV (24)	27.5 x 6.5 m	Immediately	2 x 4	770 nm/24 kts 2777 nm/12 kts	145	HF (SSB), VHF-DSC, UHF ² , MF-DSC,	MF, HF, VHF ¹ , UHF
RV (20)	23.3 x 5.6 m	Immediately	2 x 4	800 nm/20 kts 2690 nm/12 kts	90	HF (SSB), VHF-DSC, UHF ² , MF-DSC	MF, HF, VHF ¹ , UHF
RV (16)	18.9 x 4.3	Immediately	2 x 3	550 nm/16 kts 2400 nm/12 kts	20	HF (SSB), VHF (AM/FM), UHF ²	MF, HF, VHF ¹

1 VHF D/F incl. 121.5 MHz

SAR-Equipment: 9 GHz radar for SART location

All rescue vessels are equipped with: medical equipment (incl, ECG), fire-fighting appliances, bilge pumps

2 243.0/243.5/252.8 and 282.8 MHz

Declared boats

RB (15)	16.8 x 3.8 m	30 mins	3	20 hrs	15	VHF (FM)	VHF (FM)
RB (15)	12.2 x 3.0 m	30 mins	3	10 hrs	15	VHF (FM)	
RB (13)	9.0 x 2.7 m	30 mins	2	13 hrs	8	VHF (FM)	
RB (18)	8.0 x 3.1 m	30 mins	2	10 hrs	10	VHF (FM)	
RB (10)	7.0 x 2.3 m	30 mins	2	15 hrs	6	VHF (FM)	
RB (20)	7.0 x 2.5 m	30 mins	2	8 hrs	8	VHF (FM) (lifeboat on trailers)	

GERMANY (continued)

1.4.2 Typical details of "declared" SAR units

Declared aircraft

Class	Type	Bases	Readiness	Radius of Action	Transit speed	Search speed	Endurance	Survivor capacity	SAR Equipment	Radio Communications
LRG	Atlantic	Nordholz	3 hrs day/night	1000 nm	280 kts	180 kts	11 hrs	-	9 GHz radar Flares	HF, (SSB), VHF (AM) UHF, UHF, D/F
HEL-H	Sea King	Kiel ¹ Parow	15 mins (day) 60 mins (night)	270 nm	115 kts	70 kts and less	4 hrs	19	Winch/240 ft Medical eqpt. Flares 9 GHz radar	HF, (SSB), VHF (AM/FM) UHF, UHF, D/F HF D/F (2182 kHz)

1 Mo-Fr on working days

1.5 LATVIA

1.5.1 NATIONAL SAR AGENCY: Maritime Administration of Latvia, Address: A/K 10 LV-1045 Andrejsala 4, Tel: 320100
Sea Search and Rescue Service Riga, Latvia

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS-SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
ARCC Riga	Tel: 371-720 7428 371-722 9408 Fax: 371-720 7030	Riga Rescue Radio				RB 2 rubber rescue boats 1 divers boat		

1.6 POLAND

1.6.1 NATIONAL SAR AGENCY: Polish Ship Salvage Company,
ul. Zw. Walki Młodych 10, 81-340 Gdynia

Tel: 98-20 80 15
Telex: 054-239
Cable: Polratok

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS-SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
RCC Gdynia	Tel: 98-205551 Telex: 054-262 RCC PL	Gdynia Radio Witowo Radio	<u>Psary CES</u>	To be completed	<u>ARCC</u> Warszawa <u>ARSC</u> Gdynia	14 RV 1 HEL-H	Additional units, e.g., warships, military/civil aircraft, merchant ships, etc., civil aircraft and merchant vessels	Available 8 moveable rescue coastal stations equipped with amphibious vehicles or touring lorries with rescue rocket gear
/RSC Swinoujscie/	Tel: 59-29 Telex: 042-2632	Szczecin Radio						

1.7 SWEDEN

1.7.1 NATIONAL SAR AGENCY: Swedish Maritime Board,
MRCC Goteberg
P.O. Box 5158
542605 Vastra Frolunda

Tel: 46 31 247946
Telex: (54) 20180
Facsimile: 46 31 7753927

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS-SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
MRCC Stockholm	Tel: 46-31-648020 46-31-699070 46-31-699080	CRS Stockholm Radio	Eik, Norway	NMCC Bodoe, Norway		47 SRU 2 HEL-H 2 MRG	Approx. 30 inshore rescue units	The MRCC is co-located with the CRS
MRCC Goeteborg	Tel: 46-31-648000 46-31-648070 46-31-648080 46-31-698496	CRS Goeteborg Radio	Eik, Norway	NMCC Bodoe, Norway		25 SRU 2 HEL-H 1 HEL-M 1 MRG	Approx. 30 rescue boats	The MRCC is co-located with the CRS

1.8 RUSSIA

1.8.1 NATIONAL SAR AGENCY:

Russia State Maritime Rescue
Co-ordination Centre

Mailing address:
1/4 Ul. Rozhdestvenka
Moscow, 103759, Russia

Tel: 926 10 55
926 94 01
Telex: 41 11 97 MMF SU
Telefax: 926 10 52

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS-SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
MRCC Sankt-Peterburg	Tel: 812 184 98 08 183 72 65 Tlx: 121512RCC SU Fax: 184 07 55	<u>500 kHz</u> St.Peterburg /UDB Kaliningrad /UKG-5 <u>2182 kHz</u> St. Peterburg Radio Kaliningrad Radio	Odessa CES (Ukraine)	Moscow CMC 1/4 Ul. Rozhdestvenka, Moscow 103759, Russia Tel: 9261374 9261460 Tlx: 411469A COPA SU Fax: 9269375	ARCC Sankt-Peterburg	SRG, MRG, HEL-H, RV, RB	Naval ships, merchant, fishing, pilot vessel icebreakers, planes, helos	
MRCC Murmansk	Tel: 5 50 65 5 62 69 5 05 21 Teltipe: 126 316 Fax: (81500) 5 23 93	<u>500 kHz</u> Murmansk/UHY Archangelsk/ UGE <u>2182 kHz</u> Murmansk Radio Archangelsk Radio	Odessa CES (Ukraine)	Moscow CMC (See St. Peterburg)	ARCC Murmansk ARCC Archangelsk	SRG, MRG, HEL-H, RV, RB	Naval ships, merchant, fishing, pilot vessel icebreakers, planes, helos	

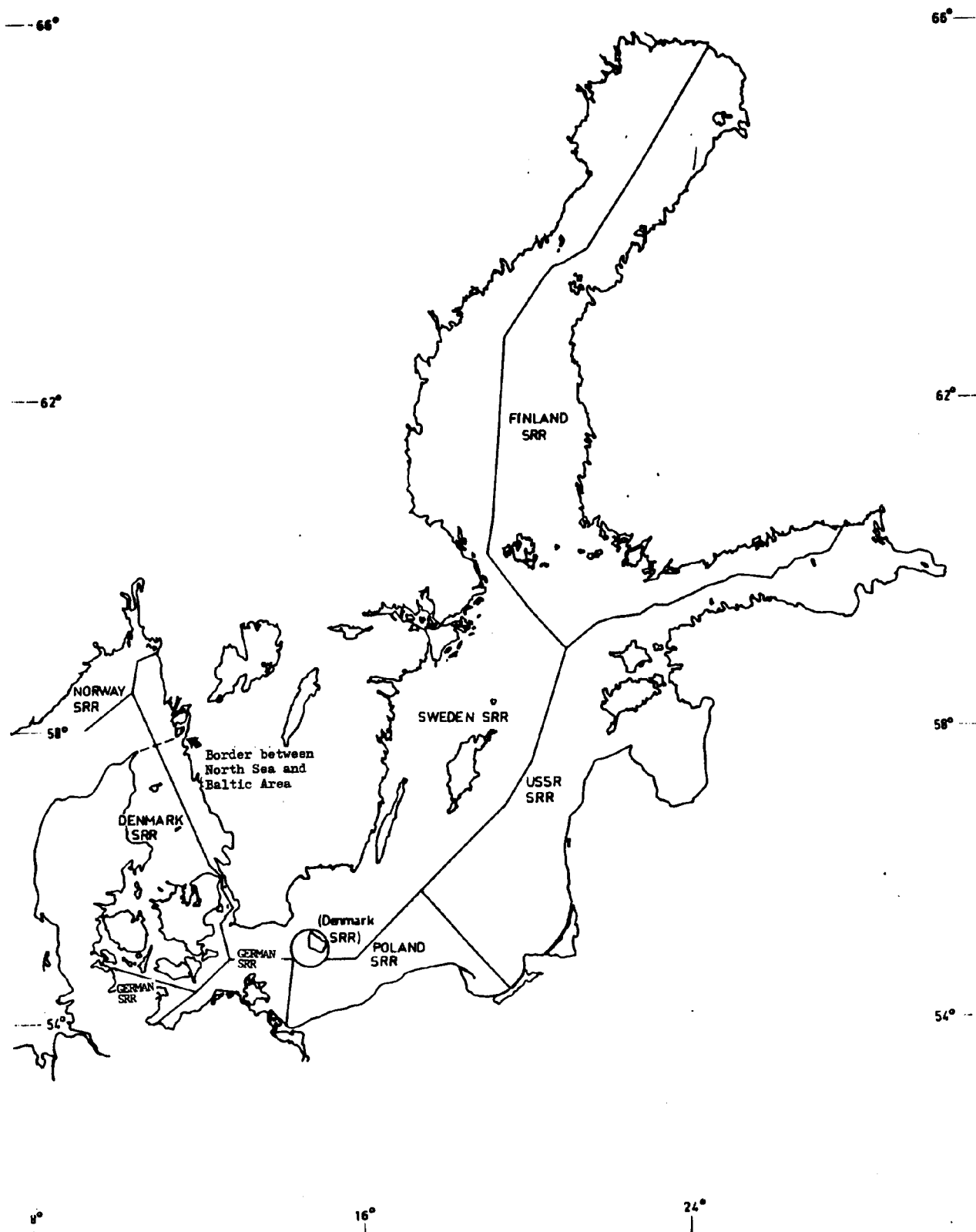
1.8 RUSSIA (continued)

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS-SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
MRSC Archangelsk	Tel: 43 99 68 44 71 00 43 99 68 Tlx: 242111 MRF SU Fax: 438 310 437 370	<u>500 kHz</u> Archangelsk/UGE <u>2182 kHz</u> Archangelsk Radio	Odessa CES (Ukraine)	Moscow CMC (See St. Petersburg)	ARCC Archangelsk ARCC Murmansk	SRG, HEL-M RV, RB	Naval ships, merchant, fishing, pilot vessel icebreakers, planes, helos	
MRCC Vladivostok	Tel: 21 92 48 22 27 26 21 60 68 Tlx: 21 31 24 RCCSU Fax: (42 32) 22 27 26 (on request)	<u>500 kHz</u> Vladivostok/ UIK, Kholmsk/ UFO, Korsakov/ UDC-4, Petropavlovsk /UBE-4, Provideniya/UCZ <u>2182 kHz</u> Vladivostok Radio	Nakhodka Tel: 2740046, 55522, 59960 Tlx: 213827 NKCES SU Fax: 2740046	Moscow CMC: 1/4 Ul. Rozhdestvenka, Moscow 103759 Russia, Tel: 9261460 9261374 Tlx: 411469 COPA SU, Fax: 9269375	ARCC Khabarovsk ARCC Yakutsk	LRG, MRG, SRG, HEL-H, HEL-M, RV, RB	Naval ships, merchant, fishing, pilot vessel icebreakers, planes, helos	
MRSC Kholmsk	Tel: 2 30 90 Tlx: 152530 PIRS Cable: MORFLOT KHOLMSK Fax: 2 25 84	<u>500 kHz</u> Kholmsk/UFO, Korsakov/UDC-4 <u>2182 kHz</u> Kholmsk Radio Korsakov Radio	Nakhodka (See Vladivostok)	Moscow (See Vladivostok)	ARCC Khabarovsk	LRG, MRG, SRG, HEL-H, HEL-M, RV, RB	Naval ships, merchant, fishing, pilot vessel icebreakers, planes, helos	

1.8 RUSSIA (continued)

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS-SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
MRSC Petropavlovsk Kamchatsky	Tel: 24497, 24766 Cable: MORFLOT PETROPAVLOVSK RSC Tlx: 244112 KMPA SU Fax: 2 44 97	<u>500 kHz</u> Petropavlovsk/ UBE-4 <u>2182 kHz</u> Petropavlovsk Radio	Nakhodka (See Vladivostok)	Moscow (See Vladivostok)	ARCC Khabarovsk ARCC Magadan	LRG, MRG, SRG, HEL-H, HEL-M, RV, RB	Naval ships, merchant, fishing, pilot vessel icebreakers, planes, helos	
MRSC Provideniya	Tel: 2 43 94 2 42 54 Cable: MARFLOT PROVIDENIYA RSC Tlx: 1400344 DVMC Fax: 2 42 54	<u>500 kHz</u> Provideniya/UCZ <u>2182 kHz</u> Provideniya Radio	Nakhodka (See Vladivostok)	Moscow (See Vladivostok)	ARCC Khabarovsk ARCC Magadan	LRG, MRG, SRG, HEL-M, HEL-L	Merchant vessels, icebreakers, planes, helos	
MRSC Tiksi	Tel: 2 67 40 2 14 90 2 23 87 Tlx: 141147 BUHTA SU Fax: (41167) 2 14 90	<u>500 kHz</u> TIKSI/UAL	Nakhodka (See Vladivostok)	Moscow (See St. Petersburg)	ARCC YAKUTSK	LRG, VLR, MRG, SRG, HEL-M, HEL-L	Merchant vessels, icebreakers	
MRSC Novorossiysk	Tel: 5 30 92 6 29 44 Tlx: 279113 MRFSU Fax: 8613464255	<u>500 kHz</u> Novorossiysk/UDN <u>2182 kHz</u> Novorossiysk Radio	Odessa (Ukraine)	Moscow CMC 1/4 Ul. Rozhdestvenka, Moscow 103759 Russia Tel: 9261374 9261460 Tlx: 41 14 69 COPA SU Fax: 9269375	ARCC Rostov-Don	SRG, HEL, RB, RV	Naval, merchant ships, pilot and tug boats, planes	

2 Chart of boundaries of provisional maritime SAR regions



3 STATEMENTS SUBMITTED BY MEMBER GOVERNMENTS

Unofficial Translation

3.1 Agreement on co-operation regarding maritime search and rescue service between Finland and Sweden

This agreement applies to the co-operation between the Swedish National Administration of Shipping and Navigation and the Finnish Frontier Guard Department in respect of maritime search and rescue service within the areas mentioned below.

Article 1. Area

The area where this Agreement on co-operation is to be applied covers the entire sea area of the Gulf of Bothnia, the Sea of Aaland and the northern part of the Baltic Sea, the rescue area of each State extending from the coastline to the continental shelf borderline between the two States from the land frontier in north to the point 59° 33.8'N, 19° 59.2'E.

South from this point action will be agreed on a case-by-case basis between the Rescue Co-ordination Centre Stockholm (RCC East) and the Rescue Co-ordination Centre Aabo (RCC Aabo).

The borderlines mentioned in this article shall not affect other borderlines defined or being defined in the future between the two States.

Article 2. Alerting

Alarm request for assistance or participation of the search and rescue organizations of the other Party is made by the Swedish Party by Rescue Co-ordination Centre Stockholm (RCC East) to Rescue Co-ordination Centre Helsinki (RCC Helsinki) and by the Finnish Party by Rescue Co-ordination Centre Helsinki (RCC Helsinki) to Rescue Co-ordination Centre Stockholm (RCC East).

Article 3. Co-ordination and participation

Search and rescue operations within the Finnish rescue area are co-ordinated by the appropriate Finnish rescue co-ordination centre (RCC) and search and rescue operations within the Swedish rescue area by the appropriate Swedish rescue co-ordination centre (RCC), if not agreed otherwise at the time of the accident.

If the situation calls for such an arrangement, the rescue co-ordination centre may agree on other forms of co-operation and on other forms of distribution of responsibility and work. The borderline between the rescue areas of the two States mentioned in article 1 should in no respect be an obstacle to joint co-operation in rescue operations between the two States.

Article 4, Exchange of information

Both Parties shall exchange information on the location of rescue units and equipment, performance characteristics and availability, and shall also exchange operation plans and lists of actions to be taken to deal with different kinds of accidents.

Article 5, Exercises

The Parties shall, alternately, arrange a maritime search and rescue exercise each year. The exercise shall be based on estimated risks or accidents occurred. The purpose of the exercise shall be to train the maritime rescue organizations of the two countries in working together and also with the assistance of the aeronautical rescue organizations of the two countries.

Article 6, Meetings of representatives

Representatives of the authorities responsible for the maritime search and rescue organizations of the countries shall meet when need arises, and at least once a year, to develop the co-operation and the exchange of information and experience.

The Parties shall initiate a regional conference to support the efficient operative co-ordination in the regions. Such conferences are arranged between Rescue Co-ordination Centre Haernesand (RCC North) and Rescue Co-ordination Centre Vasa (RCC Vasa), and between Rescue Co-ordination Centre Stockholm (RCC East) and Rescue Co-ordination Centre Aabo (RCC Aabo). When required, representatives of the appropriate rescue sub-centres shall also participate in those conferences.

Article 7, Languages

During joint rescue operations, exercises and meetings, the Swedish language will be used primarily, secondly the English language.

Article 8, Operating costs

Each Party covers the part of the operating costs connected with that Party's participation in accordance with this Agreement.

Article 9, Validity

This Agreement enters into force when it has been signed by representatives of the responsible authorities of the Parties and remains in force three years from the date of its entry into force. The period of validity of the Agreement will be automatically extended by three years at a time if the Agreement is not denounced by one of the Parties at least three months prior to the expiry of the period of validity.

The Agreement may be amended on proposal of either Party. The amendments shall enter into force one month after the date of their unanimous acceptance by both Parties.

Article 10

This Agreement is done in duplicate, one copy in the Finnish language and one copy in the Swedish language, both texts being equally authoritative.

Stockholm, 7 December 1982

For the Swedish National
Administration of Shipping Department
and Navigation

(Signature)

Kaj Janérus

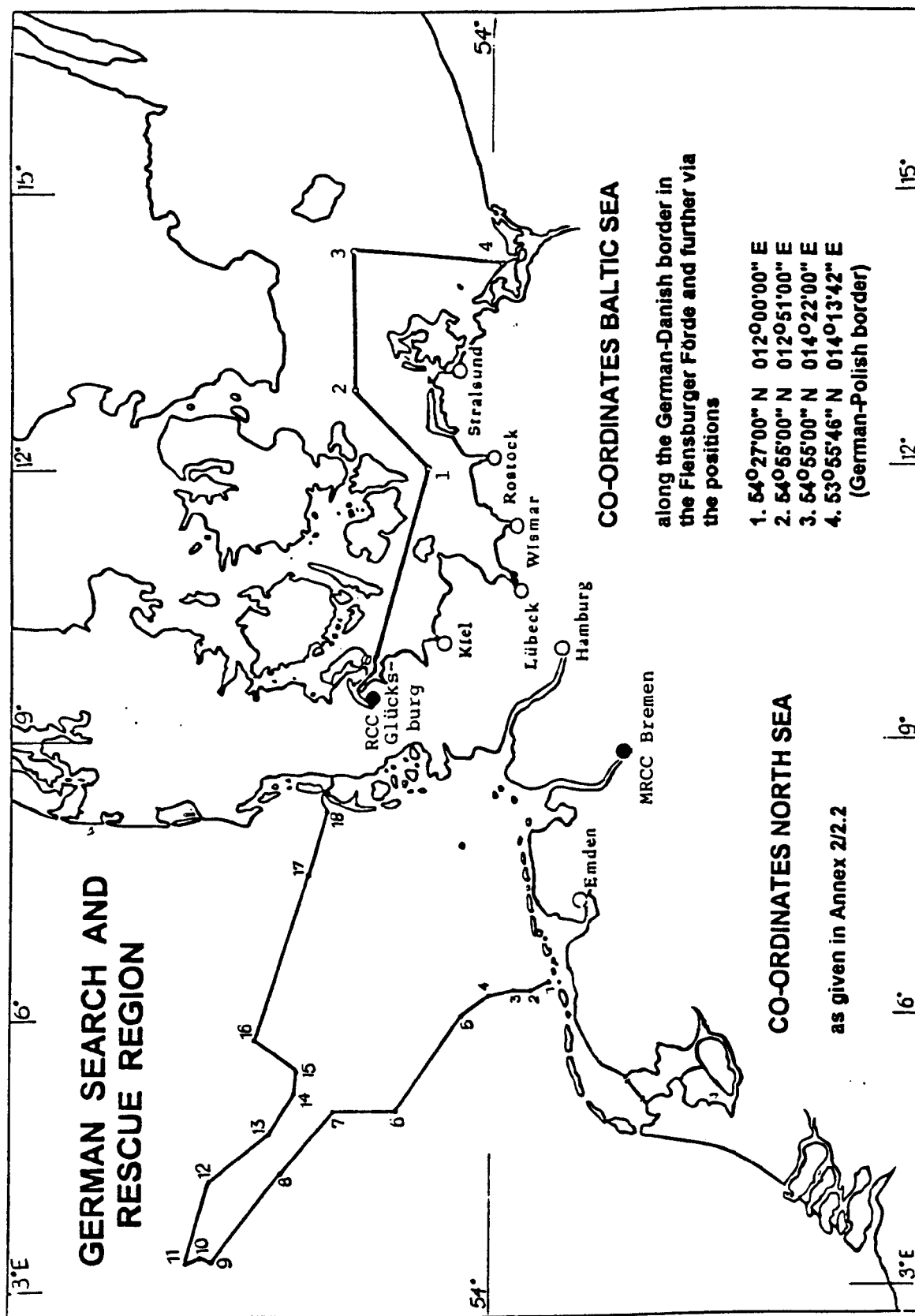
For the Finnish Frontier Guard

(Signature)

A A Sihvo

Note: Admission

Both Parties shall make efficient preparations in order to ensure that units of the maritime or aeronautical rescue organization of the other State are admitted to the territory of the Party. Request for such admission shall be made to the rescue co-ordination centre (RCC) of the respective State in the same way as described in Article 2 of this Agreement.



DER BUNDESMINISTER FÜR VERKEHR

Der Bundesminister für Verkehr, Postfach 20 01 00, 5300 Bonn 2

International Maritime
Organization
4 Albert Embankment

LONDON SE1 7SR

GROSSBRITANNIEN

(0228) Datum
300- 4697 30 June 1992

Robert-Schuman-Platz 1
5300 Bonn-Bad Godesberg

Geschäftszeichen (bitte bei Antwort angeben):

See 19/49.01.25-01/26 Va 92 II

Dear Sirs,

I have the honour to notify, also on behalf of the Ministry of Industry of the Kingdom of Denmark, that the two Ministries, being the responsible bodies for Search and Rescue matters under the provisions of paragraph 2.1.4 of the Annex to the International Convention on Maritime Search and Rescue, 1979, have agreed on search and rescue regions as delineated in the provisional search and rescue plans for the North Sea and the Baltic Sea (SAR.2/Circ.2/Rev.2 of November 1990).

Please accept the expression of my highest consideration.

For the Federal Minister of Transport

Dr. Steinicke
Dr. Steinicke

COR/008012

Received	8 JUL 1992
Routing	
<i>KLMA</i>	<input type="checkbox"/> no action
<i>EG/TA</i>	<input type="checkbox"/>
<i>BLT</i>	<input type="checkbox"/> action
<i>EOA</i>	<input checked="" type="checkbox"/> action or answered
	<input type="checkbox"/> for filing
<i>Rth</i>	14-2-92

H Öffentliche Verkehrsmittel
Busse 610, 614, 618
Bahn: 66
Haltestelle: Robert-Schuman-Platz

P Besucherparkplätze und
Ankletterungen nur über
Hennrich-von-Stephan-Straße

Fernruf: (0228) 300-0
Telefax: 885 700 bmv d
Telex: 2627-2283645 BMVD
2627-2283877 BMVD
Telefax: (0228) 300-34 28
(0228) 300-34 29

Überweisungen an Bundeskasse Bonn
Kto.-Nr. 3800 1060 Landeszentralbank Bonn
(BLZ 380 000 00)
Kto.-Nr. 11900-505 PGiroA Köln
(BLZ 370 100 50)

ANNEX 4

1.1 ANGOLA

1.1.1 NATIONAL SAR AGENCY:

Department de Segurauca Maritima
Department of Maritima Safety

Mailing Address: Av. Rainha Girga
74-4th floor
Luanda, Angola

Tel: 2-394-478, 2-396-478
Tlx: 3352
Fax: 2-339-848

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS-SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
MRCC Luanda	Tel: 2-391-399 2-336-338	Luanda Radio VHF, MF, HF, DSC (planned)	-	[UKMCC REQUESTED]		Aircraft and rescue vessels		

1.2 BENIN

1.2.1 NATIONAL SAR AGENCY: Autonomous Port of Cotonou MAILING ADDRESS: Autonomous Port of Cotonou Tel: 31-40-33
B.P. 927 Fax: 31-28-91
Cotonou

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS-SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
MRCC Cotonou	Port of Cotonou Tel: 31-40-33 Fascimile: 31-28-91 National SAR Administrator Tel: 31-46-69 31-58-45 Ministry of Public Works and Transport Tlx: 5225	Coast radio station in the Port of Cotonou	Ploeumer-Bodon		-		2 deep sea tugs 1 rescue boat (Vedetta) 2 Coast Guard ships 1 twin DHC6	-

1.3 CAMEROON

1.3.1 NATIONAL SAR AGENCY:

MAILING ADDRESS:

Tel:

Telex:

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS- SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9

[INFORMATION REQUESTED]

1.4 CAPE VERDE

1.4.1 NATIONAL SAR AGENCY: Harbour Master's Office

MAILING ADDRESS: Mindelo - C.P.7
 Telefax: 31-44-49
 Telex: 3032 MARPOR CV

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS-SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
Harbour Master, St. Vincente	Tel: 3032 Telefax: 314492	St. Vincente Radio	Pleumeur Bodou, France	[Information requested]	-		4 tug boats 4 pilot boats	-

1.5 CONGO

1.5.1 NATIONAL SAR AGENCY: MAILING ADDRESS: B.P. 1107
 Pointe-Moire
 Congo
 Tel: 94 23 26, 94 44 69, 94 01 07
 Telex: 8278 KG
 Fax: 94 48 32

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS-SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
NAV	Tel: 94 13 44 Fax: 94 01 80	VHF, MF, HF, DSC (planned)	GMCC (France)	RCC Brazzaville				

1.6 EQUATORIAL GUINEA

1.6.1 NATIONAL SAR AGENCY: Capítan de Puerto de Malabo MAILING ADDRESS: Melabo, Republic of Guinea Equatorial Tel: 9-3564, 9-2669, 9-2457 Telex: 111 EG, 5412 EG, 2426 EG

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS-SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
RSC Bata					Asemar Pubata Promoport	3 patrol boats (navy)	1 military transport aircraft	

1.7 GABON

1.7.1 NATIONAL SAR AGENCY:

MAILING ADDRESS:

Tel:

Fax:

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS- SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
		Radio Libreville Radio Port Gentil		[INFORMATION REQUESTED]			HELICOPTERS	

1.8 GAMBIA

1.8.1 NATIONAL SAR AGENCY: Ministry of Defence

MAILING ADDRESS:

Tel:
Telex:

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS- SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
Banjul			[INFORMATION REQUESTED]			4 fast patrol boats		

1.9 GHANA

1.9.1 NATIONAL SAR AGENCY: Ghana Airforce Headquarters MAILING ADDRESS: Burma Camp
Accra Tel: 777893

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS- SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
Harbour Master's Office, Tema and Takoradi		None	[INFORMATION REQUESTED]			None	-	-

1.10 GUINEA

1.10.1 NATIONAL SAR AGENCY:

MAILING ADDRESS:

Tel:

Telex:

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS- SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
MRCC Conakry MRSC Kamsar	Radio Conakry and Radio Kamsar			[INFORMATION REQUESTED]			Rescue vessels	

1.11 GUINEA-BISSAU

1.11.1 NATIONAL SAR AGENCY: General Direction of Marine and Ports

MAILING ADDRESS:

Tel:

Telex:

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS-SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
				[INFORMATION REQUESTED]			Naval vessels	

1.12 COTE D'IVOIRE

1.12.1 NATIONAL SAR AGENCY:

MAILING ADDRESS:

Tel:

Telex:

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS- SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9

[INFORMATION REQUESTED]

1.13 LIBERIA

1.13.1 NATIONAL SAR AGENCY: Bureau of Maritime Affairs

MAILING ADDRESS: Providence Building
Ashmun Street
P.O. Box 10-9042
1000 Monrovia 10,
Liberia

Tel: 222412, 224604, 224908
Telex: 44513 MBM LI

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS-SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
Robertsfield International Airport	SES	None	[INFORMATION REQUESTED]		Robertsfield Airport	None	3 tug boats	-

1.14 MAURITANIA

1.14.1 NATIONAL SAR AGENCY:

MAILING ADDRESS:

Tel:

Telex:

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS- SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
		Radio Nouadhibou		[INFORMATION REQUESTED]				

1.15 MOROCCO

1.15.1 NATIONAL SAR AGENCY: Directorate of the Merchant Marine, MAILING ADDRESS: Bd. Felix Houphouet Boigny Tel: 27-80-92 & 22-19-31
Casablanca Casablanca Telex: 24613 M
Fax: 27-33-40

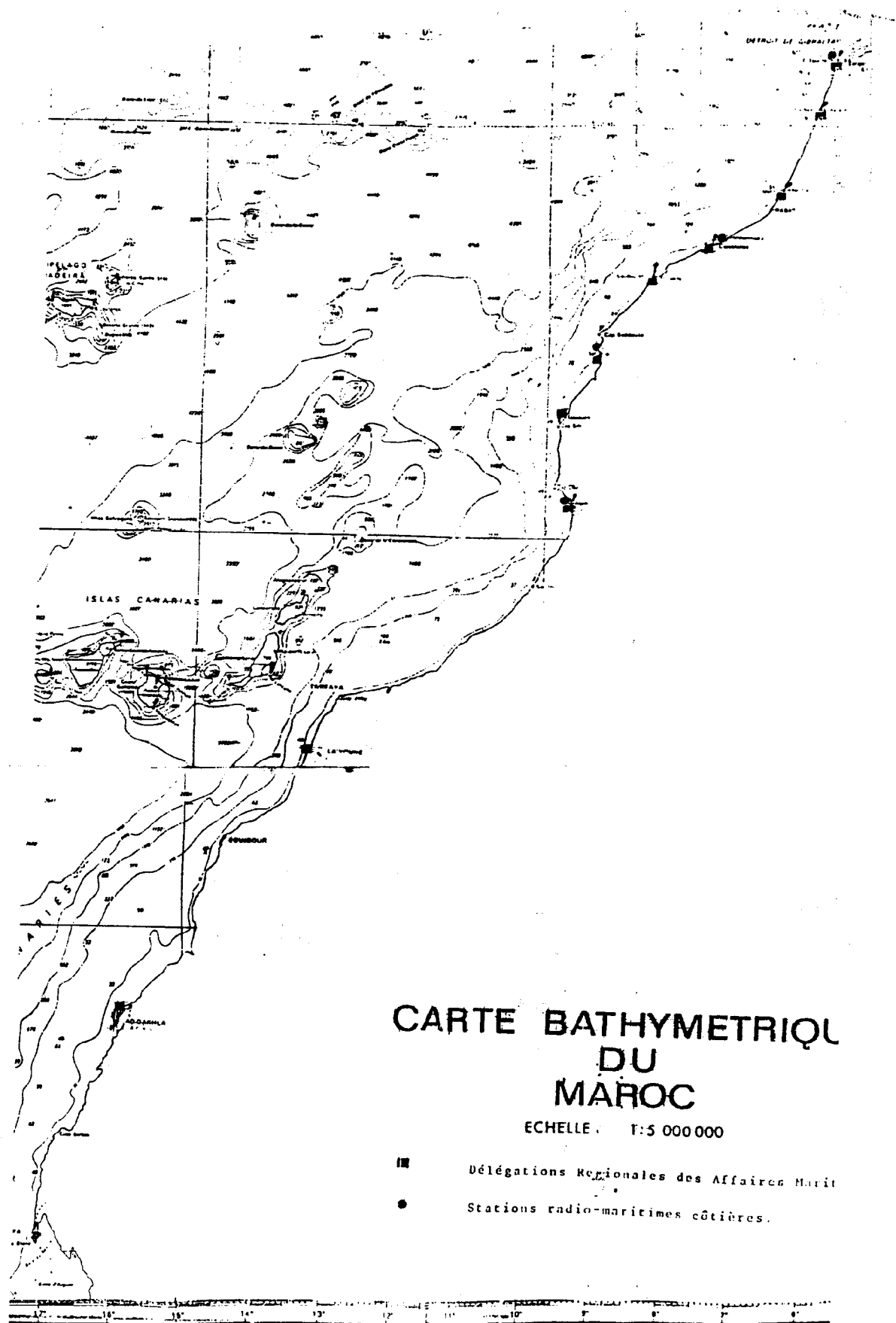
MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS-SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
<u>RCC</u> Tanger	Tel: (09)932093 (09)932090 Telex: 33685	Tanger Radio Tel: (09)936736 (09)935059 (09)935490 Telex: 33319	[Information requested]	[Information requested]		Fishing boats tugs (Royal Gendarmerie)		
<u>RCC</u> Larache	Tel: (09)912900 Telex: 32036	Tanger Radio	[Information requested]	[Information requested]		Fishing boats	-	See attached chart
<u>RCC</u> Kénitra	Tel: (07)371107 Telex: 91022	Casa Radio Tel: 363168 363033 Telex: 21345, 21825	[Information requested]	[Information requested]		Fishing boats, tugs	-	-

1.15 MOROCCO (continued)

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS-SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
<u>RCC</u> Casablanca	Tel: 278092 221931, 275974 Telex: 24613 Fax: 273340	Casa Radio	[Information requested]	[Information requested]	[Information requested]	Fishing boats, tugs (Royal Gendarmerie)	-	-
<u>RCC</u> El Jadida	Tel: (03)342201 Telex: Under installation	Casa Radio	[Information requested]	[Information requested]	[Information requested]	Fishing boats, tugs	-	-
<u>RCC</u> Safi	Tel: (04)633008 (04)622291 Telex: 711795	Safi Radio Tel: (04)463220 (04)463211	[Information requested]	[Information requested]	[Information requested]	Boats, tugs, fishing boats	-	-
<u>RCC</u> Essaouira	Tel: (04)472279 Telex: 71079	Safi Radio	[Information requested]	[Information requested]	[Information requested]	Fishing boats	-	-

1.15 MOROCCO (continued)

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS-SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
<u>RCC</u> Agadir	Tel:(08)842964 (08)842820 Telex:81881	Agadir Radio Tel:(08)822091 (08)822970 Telex:81830	[Information requested]	[Information requested]	[Information requested]	Units of Royal Gendarmarie, tugs, fishing boats	-	-
<u>RCC</u> Tan Tan	Tel:(08)823150	"	[Information requested]	[Information requested]	[Information requested]	Fishing boats		
<u>RCC</u> Laayoune	Tel:3683	Agadir Radio	[Information requested]	[Information requested]	[Information requested]	Tugs, fishing boats	-	-
<u>RCC</u> Dakhla	Tel:300	Agadir Radio	[Information requested]	[Information requested]	[Information requested]	Units of Royal Gendarmarie, tugs, fishing boats		



1.16 NAMIBIA

1.16.1 NATIONAL SAR AGENCY:

MAILING ADDRESS:

Tel:

Telex:

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS- SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9

[INFORMATION REQUESTED]

1.17 NIGERIA

1.17.1 NATIONAL SAR AGENCY: Government Inspector Shipping

MAILING ADDRESS: 1 Joseph Street
Lagos

Tel:
Telex:

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS- SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
ARCC Lagos			[INFORMATION REQUESTED]		ARCC Lagos	Fixed wing aircraft helicopters		
ARSC Calabar					ARSC Calabar	Rescue vessels		

1.18 SAO TOME AND PRINCIPE

1.18.1 NATIONAL SAR AGENCY:

MAILING ADDRESS:

Tel:

Telex:

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS- SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9

[INFORMATION REQUESTED]

1.19 SENEGAL

1.19.1 NATIONAL SAR AGENCY:

MAILING ADDRESS:

Tel:

Telex:

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS- SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
ARCC Dakar		Dakar Radio	Ploeumer- Bodou	[INFORMATION REQUESTED]			Naval craft	

1.20 SIERRA LEONE

1.20.1 NATIONAL SAR AGENCY: Ministry of Transport and Communications

MAILING ADDRESS:

Tel:

Telex:

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS-SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
MRSC Freetown		Radio Freetown		[INFORMATION REQUESTED]			Naval vessels Craft from Ports Authority	

1.21 SOUTH AFRICA

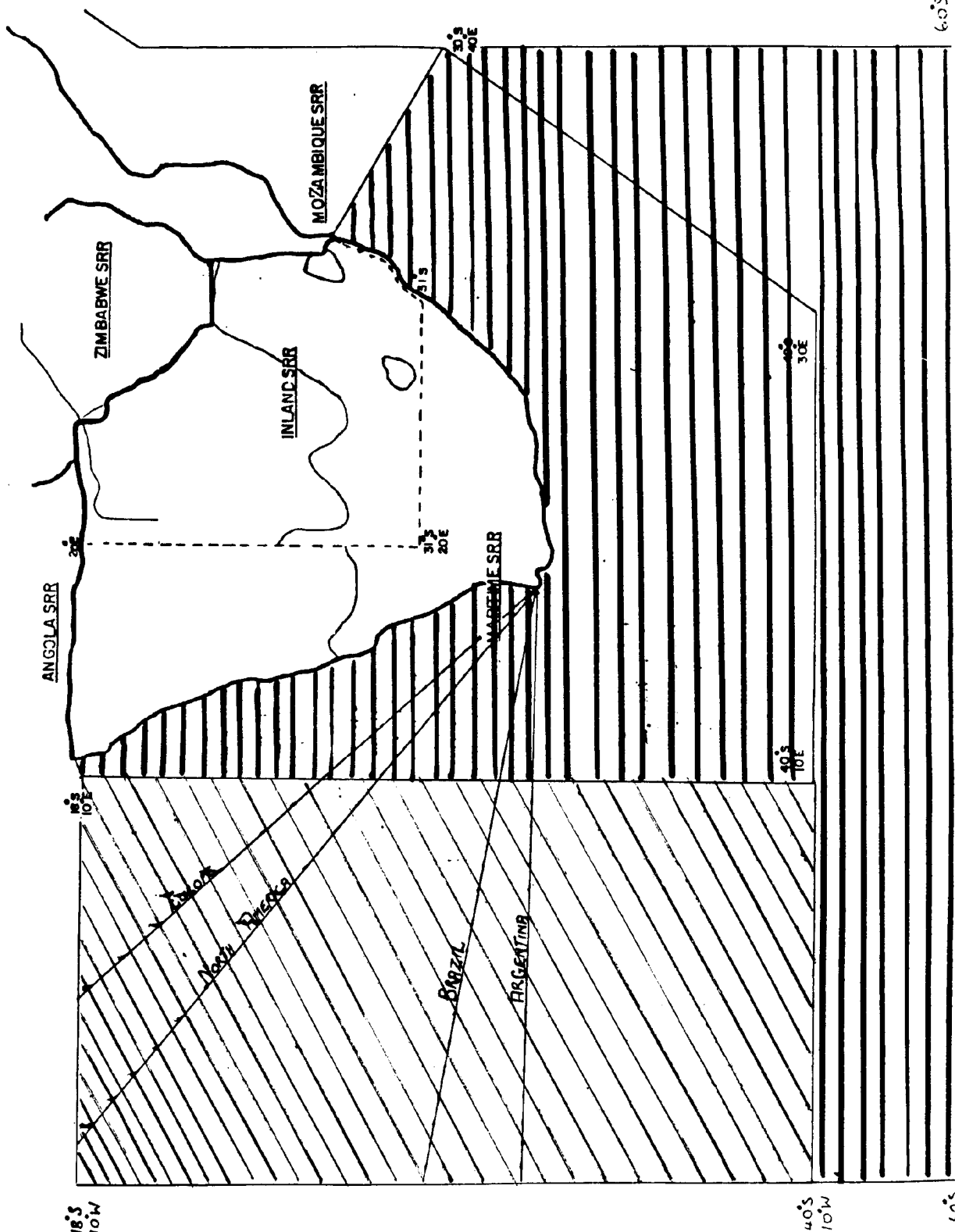
1.21.1 NATIONAL SAR AGENCY: South African Search and Rescue Organization (SASAR) MAILING ADDRESS: The Director-General,
Transport SASAR,
Private Bag X193
Pretoria 0001,
South Africa

Tel: 012-290-9111,
Ext.2003 or 2522
Telex:

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS-SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
<u>M/ARCC</u> Cape Town Maritime Command, P.O.Tokai,7965 South Africa	Tel: 021-787-2337 (after hours) Tel: 021-888876 Telex: 57-946 577722	<u>Capt Town/ZSC</u> Tel: 021-52- 2010/1/2 Telex: 5727422 <u>Durban/ZSD</u> Tel: 031-72-8025 Telex: 56-25-298 <u>Port Elizabeth/ZSQ</u> Tel: 041-73-1022/ 73-1016 Telex: 574-7019 <u>Walvis Bay/ZSV</u> Tel: 0642-3202/ 3581/2 Telex: 50-908-3541	[Information requested]	[Information requested]	<u>ARCC</u> Johannesburg	Assistance can be provided by: - South African Air Force (short- and medium-range aircraft and helicopters); - SAFAIR (Hercules aircraft); - South African Navy (Naval vessels); - South African Transport services (harbour tugs); - Department of Transport (seagoing antipollution vessels); - Department of Sea Fisheries (research vessel); - Submarine (deep-sea tugs); and - National Sea Rescue Institute (inshore boats)		See attached map with areas of SAR responsibility. There is a plan for change of civil maritime SAR services within 1987/1988. The civil RCC will be operated by Department of Transport and located at the Cape Town Harbour. Address:The Chief of the MRCC, c/o Port Captain, P.O.Box 4245, Cape Town 8000, South Africa. Tel:(021)419-2858/2859/2884/2889/1611 Telex:52-4127 or 55-0178 por cap

MAP OF THE SOUTH AFRICAN AREA OF RESPONSIBILITY

INLAND AND MARITIME SEARCH AND RESCUE REGIONS (SRRs)



1.22 SPAIN (Canary Islands)

1.22.1 NATIONAL SAR AGENCY: Direccion General de la Marina Mercante

MAILING ADDRESS: Ruiz de Alarcón 1,
28014 Madrid

Tel: 91-2315790
Telex: NAMER 27298E

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS-SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
Las Palmas (Centro Regional de Comunicaciones Radio Maritimas (CRCC))	Tel: 3428-321122 Telex: 95143 CTNE	Las Palmas Tenerife Arrecife	Ploeumer-Bodou, France	FMCC, Toulouse, France, through ARCC	Canaris Tel: (928) 256171 (928)254-140 Telex: 27721 CCMAE RCC-CANARIS	4 HEL-M 3 LRS (see paragraph 1.22.2)	-	-

1.22.2 Rescue units - Typical details of "declared" SAR units

1.22.2.1 Declared aircraft

Aircraft	Bases	Readiness	ROA Transit Speed Search Speed	Endurance Survivor capacity	Remarks
LRG F-27	Canary Islands	10-30 min (day, night)	750 nm 235 kts 200-145 kts	11 hours	Search radar Flare launcher Rescue boats Flares Beach buoy Stretchers MF(BLU)/Radtelga VHF-AM VHF-FM Maritime UHF

1.22.2.2 Declared ships

Ship	Bases	Size	Readiness	Crew	Max. speed	Endurance	Radio Communications
RB "LS-AA-9"	Las Palmas	13.5 x 3.7 m	20 min	6	13 kts	291 miles	VHF, MF, VHF DF
RB "LS-AA-10"	Santa Cruz de Tenerife	13.5 x 3.7 m	20 min	6	13 kts	291 miles	VHF, MF, VHF DF

1.23 TOGO

1.23.1 NATIONAL SAR AGENCY: Marine Nationale

MAILING ADDRESS: Capitainerie
Lome, TogoTel: 21-47-42, 21-38-77
Telex: 5243

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS-SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
	Station Terriene d'Abome Calavien Republique Populaire du Benin Tel: 229-31-22-71 Station Terriene d'Akakro en Republique de Côte d'Ivoire Tel: 225-32-10-07 Station Terriene de Cacaveli Togo Tel: 06-20 Telex: 5372			[INFORMATION REQUESTED]				

1.24 ZAIRE

1.24.1 NATIONAL SAR AGENCY:

MAILING ADDRESS:

Tel:
Telex:

MRCC or MRSC	Landline communications, including SES installed at RCC	Associated CRSs	Associated or nearest INMARSAT CESs	Associated or nearest COSPAS- SARSAT MCCs	Associated ARCC	Rescue units available	Other units available	Remarks
1	2	3	4	5	6	7	8	9
Not defined yet	Banana Radio	[Information requested]	[Information requested]	[Information requested]	-	-	-	SAR area of responsibility has yet to be delineated

2 DETAILS OF PROVISIONAL AREA OF RESPONSIBILITY FOR MARITIME SEARCH AND RESCUE (MSRRs)

2.1 SENEGAL

The Senegalese MSRR is bounded by a line connecting the following geographical positions:

- | | | | |
|-----|------------------------|-----|------------------------|
| (1) | 20° 47' N
17° 04' W | (5) | 13° 30' N
37° 30' W |
| (2) | 19° 00' N
19° 00' W | (6) | 07° 40' N
35° 00' W |
| (3) | 24° 00' N
25° 00' W | (7) | 01° 45' N
26° 00' W |
| (4) | 17° 00' N
37° 30' W | (8) | 10° 53' N
15° 05' W |

2.2 LIBERIA

The Liberian MSRR is bounded by a line connecting the following geographical positions:

- | | | | |
|-----|------------------------|-----|------------------------|
| (1) | 10° 53' N
15° 05' W | (4) | 00° 00' N
07° 02' W |
| (2) | 01° 45' N
26° 00' W | (5) | 04° 41' N
03° 12' W |
| (3) | 06° 22' S
16° 00' W | | |

2.3 GHANA

The Ghanaian MSRR is bounded by a line connecting the following geographical positions:

- | | | | |
|-----|------------------------|-----|------------------------|
| (1) | 04° 41' N
03° 12' W | (5) | 12° 00' S
10° 00' W |
| (2) | 00° 00'
07° 20' W | (6) | 10° 00' S
04° 40' W |
| (3) | 06° 22' S
16° 00' W | (7) | 03° 20' S
26° 00' |
| (4) | 06° 22' S
10° 00' W | (8) | 06° 00' N
00° 50' W |

2.4 NIGERIA

The Nigerian MSRR is bounded by a line connecting the following geographical positions:

- | | | | |
|-----|------------------------|-----|------------------------|
| (1) | 06° 00' N
00° 50' E | (4) | 05° 52' S
06° 35' E |
| (2) | 03° 20' S
00° 00' | (5) | 03° 00' N
06° 35' E |
| (3) | 10° 00' S
04° 40' W | (6) | 04° 40' N
08° 30' E |

2.5 CAMEROON

The Cameroon MSRR is bounded by a line connecting the following geographical positions:

- | | | | |
|-----|------------------------|-----|------------------------|
| (1) | 04° 40' N
08° 30' E | (3) | 05° 52' S
06° 35' E |
| (2) | 03° 00' N
06° 35' E | (4) | 5° 50' S
06° 35' E |

2.6 ANGOLA

The Angola MSRR is bounded by a line connecting the following geographical positions:

- | | | | |
|-----|------------------------|-----|------------------------|
| (1) | 05° 50' S
12° 20' E | (4) | 18° 00' S
10° 00' W |
| (2) | 05° 52' S
06° 35' E | (5) | 18° 00' S
10° 00' E |
| (3) | 12° 00' S
10° 00' W | (6) | 07° 10' S
12° 00' E |

